ESCHA

I/O-junction passive, M8, Cable
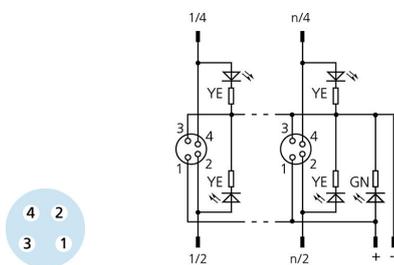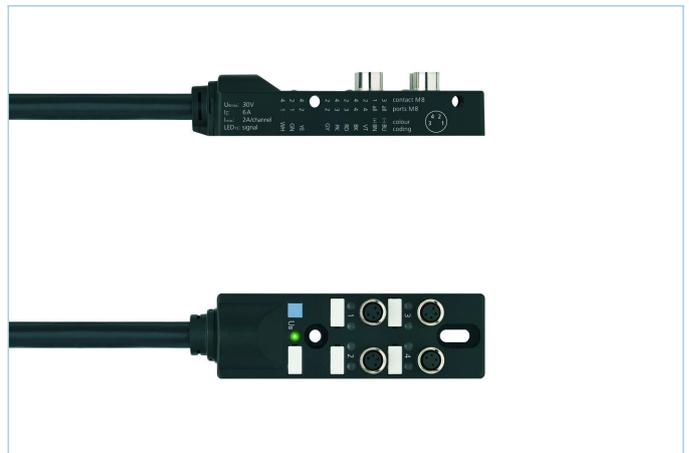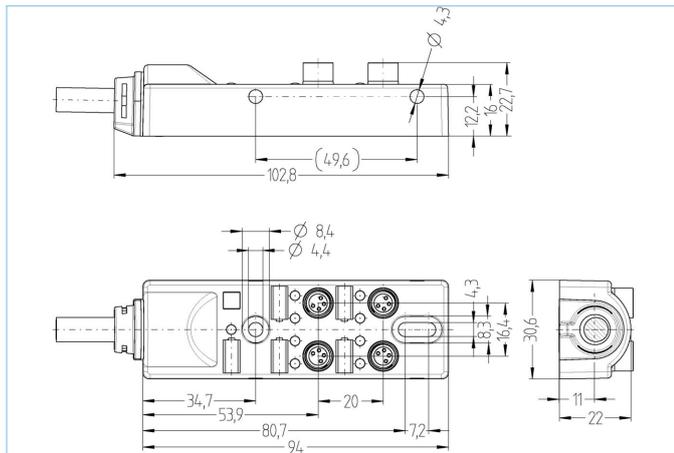
Product data

Item description	4I/OM8-4P3C-2/S370
Item-No.	8061783
Length	2m
Customs tariff-No.	85444290
Step-File	4I_OM8-4P3C-m.stp
EAN	4047106148362

Technical data

I/O-junction	4-way, with cable
I/O-slot	female, M8
Number of pins	4
Rated voltage	60V
Current load (at 40°C)	2A
Total current load	6A
Insulation resistance	≥10⁸Ω
Resistance	≤ 5mΩ
Ambient temperature product	-30°C...+90°C
Number of LEDs	9
Number of I/O-slots	4
Circuit logic	pnp
Signal status-indicator	LED YE
Operating voltage-indicator	LED GN
Contact material	Metal, CuZn, gold-plated
Contact-carrier material	Plastic, PA, BK
Sealing (female) material	FPM/FKM
Housing material	Plastic, PA, BK
Connecting type	Fixed cable connection

Thread insert material	Metal, CuZn
Standards	IEC 61076-2-104
Degree of protection (mounted)	IP65, IP67
Mechanical life-cycle	>100 mating cycles
Degree of pollution	3/2
Cable	**PUR, UL, S370**

Flexible, silicone- and halogen-free control line with high mechanical strength. The cable is chemicals, hydrolysis-, and microbes- resistant. The drag-chain application is possible at a bending radius of minimum 10 x d. Due to its weld-field immunity, the cable is very well suited for the flexible application in robotics, machine-tool, and metal-cutting production. The cables meet the UL and CSA (UL10493/20549; cULus) requirements.

Outer diameter of jacket	7,5 mm
Cable-jacket material	PUR
Jacket color	BK, similar RAL9005
Wire cross-section	8 x 0.25 mm² + 2 x 0.75 mm²
Wire insulation material	PP
Wire colors	PK, BU, WH, GN, RD, BK, YE, GY, BN, VT
Bending radius (repeated)	min. 10 x Ø-cable
Temperature range (repeated)	-25°C...+90°C
Temperature range (fixed)	-40°C...+90°C
Drag chain-application	5 Mio. cycles
Halogen-free	Yes
Special features	flame retardant, LABS free, RoHs compliant, drag chain-adapted, halogen free

Allocation chart

I/O	1		2		3		4		all (+)	all (-)
Pin	2	4	2	4	2	4	2	4	1	3
Cable	GN	WH	GY	YE	RD	PK	VT	BK	BN	BU

Classification

eCl@ss 6.0	27279219
eCl@ss 7.0	27279219
eCl@ss 8.0	27279219
eCl@ss 9.0	27440108
ETIM 5.0	EC002585
ETIM 6.0	EC002585

Accessories

Labels, I/O-junction passive, I/O-junction logic
https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8011349/Labels-M8-I/O-junctions

Screw plug, M8
https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8015075/Screw-plug-M8-female-black

Accessories set, I/O-junction passive, I/O-junction logic, M8
https://www.escha.net/en/Products/Standard/Accessories-for-connectivity/8087214/Accessory-set-M8-I/O-junctions-labels-screw-plug